TO: M. DANIEL HEFNER LEYDIG, VOIT & MAYER, LTD. 180 NORTH STETSON AVENUE		PCT	
		WRITTEN OPINION OF THE	
TWO PRUDENTIAL PLAZA, SUITE 4900 CHICAGO, IL 60601-6780		ERNATIONAL SEARCHING AUTHORITY	
		(PCT Rule 43bis.1)	
		f mailing 25 APR 2008	
Applicant's or agent's file reference		FURTHER ACTION	
32362	•	See paragraph 2 below	
nternational application No.	International filing date (day/mor	nth/year) Priority date (day/month/year)	
CT/US05/00418	07 January 2005 (07.01.2005)	07 January 2004 (07.01.2004)	
nternational Patent Classification (IPC)	· · · · · · · · · · · · · · · · · · ·		
PC(8): A61K 9/127( 2006.01);C07H 2 JSPC: 424/450;536/24.5;435/458	21/04( 2006.01);C12N 15/88( 2006	.01)	
applicant			
EOPHARM INC.			
Box No. IV Lack of un  Box No. V Reasoned s applicabilit  Box No. VI Certain dot  Box No. VII Certain def	ishment of opinion with regard to r		
If a demand for international prelin International Preliminary Examining Authority other than this one to be that written opinions of this International If this opinion is, as provided about IPEA a written reply together, when of Form PCT/ISA/220 or before the For further options, see Form PCT/I	the IPEA and the chosen IPEA he item and the chosen IPEA he item and Searching Authority will not we, considered to be a written opin re appropriate, with amendments, to expiration of 22 months from the parameters of 22 months from the parameters.	opinion will be considered to be a written opinion of the at this does not apply where the applicant chooses an as notified the International Bureau under Rule 66.1bis(b) be so considered.  Sign of the IPEA, the applicant is invited to submit to the perfore the expiration of 3 months from the date of mailing priority date, whichever expires later.	
3. For further details, see notes to Form		his opinion   Authorized officery	
Name and mailing address of the ISA/ UM Mail Stop PCT, Attn: ISA/US	JS Date of completion of t	MILLE VINAS	
MISH SIOP ICI, AMIL ISA 03	1 00 4 31 2000 (00 04 3	Richard Schmizer, Ph. D.	
Commissioner for Patents P.O. Box 1450	08 April 2008 (08.04.2	000)	

Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2007)

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US05/00418

Box No. I Basis of this opinion					
1. With regard to the language, this opinion has been established on the basis of:					
	No. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).					
2. This opinion has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43bis 1(a))					
3. With rega	rd to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been don the basis of:				
a. typ	e of material				
	a sequence listing				
	table(s) related to the sequence listing				
b. for	mat of material				
	on paper				
	in electronic form				
c. tim	e of filing/furnishing				
	contained in the international application as filed.				
	filed together with the international application in electronic form.				
	furnished subsequently to this Authority for the purposes of search.				
	4. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
5. Additional	comments:				

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US05/00418

	juestions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be trially applicable have not been examined in respect of:
П	the entire international application
$\boxtimes$	claims Nos. <u>13-63.65 and 72-119</u>
becau	ise:
	the said international application, or the said claim Nos relate to the following subject matter which does not require an international search (specify):
$\boxtimes$	the description, claims or drawings (indicate particular elements below) or said claims Nos. 13-63.65 and 72-119 are so unclear that no meaningful opinion could be formed (specify):
	Claims 13-63, 65, and 72-119 are improper multiple dependent claims.
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed (specify):
	no international search report has been established for said claims Nos.
	a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:
	a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:  [Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.]
	a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:  [Instructions and such listing was not available to the International Searching Authority in a form and manner acceptable to it.  [Instructions are electronic form complying with the standard provided for in Annex C of the furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching
	a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:  furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.  furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.  pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rules 13ter.1(a) or (b).
	a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:  furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.  furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.  pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation
	<ul> <li>a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:</li> <li>furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.</li> <li>furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.</li> <li>pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rules 13ter.1(a) or (b).</li> <li>a meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available</li> </ul>

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/00418

Box No. V Reasoned statement under Rule 43 bis. 1(a)(i) with regard to noverty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement				
Novelty (N)	Claims 1-12,68 and 71	YES		
Constant Constant	Claims 64,66,67,69 and 70	NO		
Inventive step (IS)	Claims 1-12,68 and 71	YES		
,,,	Claims 64,66,67,69 and 70	NO		
Industrial applicability (IA)	Claims 1-12,64 and 66-71	YES		

Claims NONE

#### 2. Citations and explanations:

Claim 64 lacks novelty under PCT Article 33(2) as being anticipated by Tuschl et al (US 20030108923 A1). Tuschl taught a method of inhibiting expression of a target gene by administering to a cell a composition comprising an siRNA and cationic liposomes. Expression of the target gene was assayed subsequent to administration of the siRNA. See paragraph 136. Thus Tuschl anticipates all of the active method steps of the claim.

Claims 66, 67, 69, and 70 lack novelty under PCT Article 33(2) as being anticipated by Marcusson et al (1998). Marcusson taught a BODIPY labeled cationic lipid (DOTAP). The claim term "cardiolipin analog" is interpreted broadly here to embrace molecules with lipidic character. Thus Marcusson anticipates the claims.

